

**Table 1 - Quantity of Bank and Sediment Material Generated during the month of March  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Excavated Bank and Sediment Material		
Date	Location	non-TSCA	TSCA	NAPL impacted
<b>Bank Soil and Sediment</b>				
03/03/03	Cell 8	150		
03/04/03	Cell 8	130		
03/05/03	Cell 8A	190		
03/06/03	Cell 8A	120	130	
03/07/03	Cell 8A	120		
03/14/03	Cell 9		120	
03/17/03	Cell 9	220	290	
03/18/03	Cell 9	260		
03/27/03	Cell 10	400		
03/28/03	Cell 10	180	150	
03/31/03	Cell 10	280		
	<b>Monthly total from bank soil and sediment</b>	<b>2050</b>	<b>690</b>	<b>0</b>

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 10cy per truck.

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	Location	non-TSCA	TSCA	NAPL impacted	Total
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
	<b>Total</b>	<b>12,434</b>	<b>2,501</b>	<b>363</b>	<b>15,298</b>

Note:

All quantities determined by pre- and post- excavation surveying.

**Table 3 - Quantity of Material Transferred to OPCAs During the Month of March  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	# of truckloads	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
<b>Bank Soil and Sediment</b>			
03/03/03	28		308
03/04/03	34		374
03/05/03	8		88
03/06/03	17		187
03/07/03	26		286
03/10/03	10		110
03/11/03	45	495	
03/12/03	48	528	
03/13/03	42	462	
03/14/03	24	264	
<b>Monthly totals</b>	<b>282</b>	<b>1749 (1)</b>	<b>1353(1)</b>

Note:

All quantities are in compacted or "in-place" cubic yards.

(1) Estimated at 11 cy per truck due to loading out frozen material.

**Table 4 - Quantity of Material Transferred to OPCAs to Date  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity Transferred to OPCAs	
Date	Location	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
<b>Site Preparation Activities</b>			
09/11/02	Building 65 Stockpile Management Area	225	
<b>Bank Soil and Sediment</b>			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	<b>1749 (2)</b>	<b>1353(2)</b>
<b>Project Totals</b>		<b>11,829</b>	<b>2,802</b>

Note:

All quantities are in compacted or "in-place" cubic yards.

(1) Estimated at 14cy per truck.

(2) Estimated at 11cy per truck due to loading out frozen material.

**Table 5 - NPDES Sampling Results for Water Treatment System  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1248	Aroclor 1242	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-3M27	Influent	03/27/2003	ND(0.052)	ND(0.052)	0.17	0.29	0.46
H2-WW000002-0-3M27	Intermediate	03/27/2003	ND(0.013)	ND(0.013)	0.074	0.054	0.130
H2-WW000003-0-3M27	Effluent	03/27/2003	ND(0.013)	ND(0.013)	0.110	0.07	0.180
<b>Action Level</b>	<b>Effluent</b>		<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>

Notes:

ND(0.012) - Analyte was not detected. The value in parentheses is the associated detection limit.

Intermediate - sample collected between carbon units which are being operated in series.

J - Indicates an estimated value

3/27/03 - monthly sampling

**Table 5a - NPDES non-PCB Sampling Results for Water Treatment System  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in part per billion, ppb)

<b>Sample ID</b>	H2-WW000001-0-3F24	H2-WW000002-0-3F24	H2-WW000003-0-3F24
<b>Sample type</b>	Influent	Intermediate	Effluent
<b>Date Collected</b>	2/24/2003	2/24/2003	2/24/2003
<b>Analyte</b>			
<b>APP IX SEMIVOLATILES</b>			
BIS(2-ETHYLHEXYL) PHTHALATE	6.7 J	ND	ND
<b>APP IX VOLATILES</b>			
1,2,4-TRICHLOROBENZENE	0.43 J	ND	ND
BENZENE	0.54 J	ND	ND
CARBON TETRACHLORIDE	ND	0.23 J	ND
CHLOROBENZENE	2.6 J	ND	ND
CHLOROFORM	0.26 J	0.27 J	ND
CIS-1,2-DICHLOROETHENE	1.3 J	ND	ND
NAPHTHALENE	0.93 J	ND	ND
TERT-BUTYL METHYL ETHER	0.52 J	4.4	3.7
TRICHLOROETHYLENE (TCE)	1.6	ND	ND
VINYL CHLORIDE	0.28 J	ND	ND
<b>METALS</b>			
ANTIMONY	3.0	---	ND
BARIUM	24.4	---	13.9
BERYLLIUM	0.31	---	0.21
COPPER	9.0	---	ND
LEAD	10.0	---	ND
NICKEL	2.3	---	ND
ZINC	26.2	---	11.9
<b>ORGANIC</b>			
PETROLEUM HYDROCARBON	ND	ND	ND

**NOTES:**

\* Total BTEX (Benzene, Toluene, Ethyl Benzene and Xylene) can not exceed 100 ppb  
Intermediate - sample collected between carbon units which are being operated in series.  
Only detected constituents are summarized  
ND - not detected  
--- not sampled  
J - Indicates an estimated value  
N/A - not applicable

NPDES Permit Regulatory Effluent Limits
100
70
5*
N/A
100
100
N/A
100
70
N/A
N/A
N/A
100
4
100
50
100
500
5000

**Table 6 - Backfill Material Testing Results  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in part per million, ppm)

Sample ID	H2-OT000050-0-3F21	H2-OT000050-1-3F21	H2-OT000050-0-3F27	H2-OT000050-0-3M06	H2-OT000032-0-3M06	H2-OT000049-0-3M10	Regulatory Limits (1)
Sample type	Common Fill	Common Fill(duplicate)	Common Fill	Common Fill	Filter Layer A	Top Soil	
Date Collected	02/21/2003	02/21/2003	02/27/2003	03/06/2003	03/06/2003	03/10/2003	
Analyte							
<b>APP IX SEMIVOLATILES</b>							
	All Non-Detects	All Non-Detects	---	---	---	---	
<b>APP IX VOLATILES</b>							
2-BUTANONE	0.0053 J	ND	---	---	---	---	0.3
ACETONE	0.038	0.039	---	---	---	---	3
CHLOROMETHANE	0.0037 J	0.0029 J	---	---	---	---	100
<b>METALS</b>							
ARSENIC	3.3	3.4	---	---	---	---	30
BARIUM	22.8	22.0	---	---	---	---	1000
BERYLLIUM	0.23	0.23	---	---	---	---	0.7
CHROMIUM	7.3	6.9	---	---	---	---	1000
COBALT	7.6	7.3	---	---	---	---	500
COPPER	12.6	12.6	---	---	---	---	1000
LEAD	6.4	6.2	---	---	---	---	300
NICKEL	13.6	12.9	---	---	---	---	300
SELENIUM	0.66	0.55	---	---	---	---	400
TIN	0.48	ND	---	---	---	---	10
VANADIUM	8.0	7.8	---	---	---	---	400
ZINC	51.2	47.6	---	---	---	---	2500
<b>ORGANIC</b>							
PETROLEUM HYDROCARBON	ND	ND	ND	ND	95.1	ND	200*
<b>PCBS</b>							
PCB, TOTAL	ND	ND	ND	ND	ND	ND	0.1*

Notes:

Only detected constituents are summarized

J - Indicates an estimated value

ND - not detected

--- not sampled

(2) - Massachusetts contingency plan S-1 limits

\* - Project specific acceptable levels for backfill

NA - S-1 standard not available for this compound



**Table 7 - Daily Air Monitoring Results  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

<b>Date Collected</b>	<b>Sample Location</b>	<b>Average Site Concentration (mg/m<sup>3</sup>)</b>	<b>Average Period (Hours:Min)</b>
03/03/2003	Upwind	0.005	6:00
	Downwind	0.011	6:00
	Background	---	---
03/04/2003	Upwind	0.01	6:00
	Downwind	N/A	N/A
	Background	0.01	6:00
03/05/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/06/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/07/2003	Upwind	0.018	6:00
	Downwind	0.006	5:00
	Background	N/A	N/A
03/10/2003	Upwind	0	8:00
	Downwind	0.012	8:00
	Background	0.006	7:00
03/11/2003	Upwind	0.009	7:00
	Downwind	0	6:00
	Background	0.003	7:00
03/12/2003	Upwind	0.029	6:00
	Downwind	0.036	8:00
	Background	--	--
03/13/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/14/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/17/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/18/2003	Upwind	0.041	7:00
	Downwind	0.047	7:00
	Background	--	--
03/19/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/20/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A

**Table 7 - Daily Air Monitoring Results  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

<b>Date Collected</b>	<b>Sample Location</b>	<b>Average Site Concentration (mg/m<sup>3</sup>)</b>	<b>Average Period (Hours:Min)</b>
03/21/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/24/2003	Upwind	0.007	7:00
	Downwind	0.004	8:00
	Background	--	--
03/25/2003	Upwind	0.083	20:00
	Downwind	0.096	23:00
	Background	--	--
03/26/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/27/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
03/28/2003	Upwind	0.007	4:00
	Downwind	0.004	4:00
	Background	--	--
03/31/2003	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
<b>notification level</b>		<b>0.120</b>	
<b>action level</b>		<b>0.150</b>	

Notes:

N/A - Not available due to precipitation

--- - No reading due to technical difficulties with monitoring equipment

**Table 8 - Daily Water Column Turbidity Monitoring Results  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

Date	Flow at Coltsville	Location	Turbidity		
			Average	High	Low
03/03/2003	92	Upstream of Lyman Street Bridge	6.1	9.1	4.4
		Upstream of Elm Street Bridge	595.4	1891.0	13.4
03/04/2003	92	Upstream of Lyman Street Bridge	1.8	2.3	1.5
		Upstream of Elm Street Bridge	585.5	1703.5	22.2
03/05/2003	96	Upstream of Lyman Street Bridge	5.2	10.3	1.4
		Upstream of Elm Street Bridge	34.0	64.9	21.4
03/06/2003	88	Upstream of Lyman Street Bridge	2.5	5.2	1.1
		Upstream of Elm Street Bridge	181.4	1797.5	21.2
03/07/2003	83	Upstream of Lyman Street Bridge	1.6	2.2	1.2
		Upstream of Elm Street Bridge	77.2	162.8	26.9
03/10/2003	78	Upstream of Lyman Street Bridge	1.8	6.6	1.1
		Upstream of Elm Street Bridge	654.4	1894.9	43.6
03/11/2003	68	Upstream of Lyman Street Bridge	1.3	2.3	0.9
		Upstream of Elm Street Bridge	515.2	1901.0	32.4
03/12/2003	63	Upstream of Lyman Street Bridge	1.4	2.4	0.9
		Upstream of Elm Street Bridge	844.9	1727.8	52.8
03/13/2003	60	Upstream of Lyman Street Bridge	1.5	2.1	1.3
		Upstream of Elm Street Bridge	1044.0	1579.9	94.3
03/14/2003	65	Upstream of Lyman Street Bridge	1.9	3.4	1.0
		Upstream of Elm Street Bridge	823.7	1900.9	47.9
03/17/2003	88	Upstream of Lyman Street Bridge	6.0	19.6	2.6
		Upstream of Elm Street Bridge	831.7	1957.6	234.0
03/18/2003	162	Upstream of Lyman Street Bridge	18.5	64.7	5.5
		Upstream of Elm Street Bridge	886.1	1950.8	276.3
03/19/2003	257	Upstream of Lyman Street Bridge	5.9	7.8	3.6
		Upstream of Elm Street Bridge	21.4	28.0	18.8
03/20/2003	237	Upstream of Lyman Street Bridge	4.0	4.7	3.3
		Upstream of Elm Street Bridge	18.9	25.6	14.9
03/21/2003	426	Upstream of Lyman Street Bridge	4.9	7.2	3.9
		Upstream of Elm Street Bridge	39.7	61.3	29.2
03/24/2003	436	Upstream of Lyman Street Bridge	6.7	8.5	5.7
		Upstream of Elm Street Bridge	5.8	12.0	2.0
03/25/2003	497	Upstream of Lyman Street Bridge	8.1	19.8	6.0
		Upstream of Elm Street Bridge	4.5	13.3	1.2
03/26/2003	649	Upstream of Lyman Street Bridge	7.8	9.3	6.3
		Upstream of Elm Street Bridge	4.9	10.1	3.0
03/27/2003	632	Upstream of Lyman Street Bridge	7.9	11.3	6.3
		Upstream of Elm Street Bridge	4.1	5.9	2.3

**Table 8 - Daily Water Column Turbidity Monitoring Results  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

Date	Flow at Coltsville	Location	Turbidity		
			Average	High	Low
03/28/2003	502	Upstream of Lyman Street Bridge	8.8	12.1	6.9
		Upstream of Elm Street Bridge	2.6	8.0	0.8
03/31/2003	552	Upstream of Lyman Street Bridge	8.5	13.9	6.4
		Upstream of Elm Street Bridge	4.6	9.7	1.5

Notes:

**Turbidity Action Level - Average Downstream (Elm Street)  $\geq$  Average Upstream  
(Lyman Street) + 50 ntu**

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Measurements collected using YSI 6200 Data Acquisition System using 600 OMS

sonde with a 6136 Turbidity Probe

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

The exceedances shaded above are due to the probe at Elm Street Bridge being out of calibration.

However, due to ice and high flows, the probe was inaccessible for recalibration.

**Table 9 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

Location	Date	Estimated Flow (cfs)	Turbidity			Water Temp. (°C)	Water Temp. End(°C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)
			High	Low	Daily Average							
Upstream of Newell St. Bridge	03/05/03	96	---	---	---	---	---	42.6	---	---	---	---
Downstream of Lyman St. Bridge	03/05/03	96	10.3	1.4	5.2	1.07*	---	---	---	H2-SW000055-0-3M05	<b>0.020</b>	ND(0.013)
Upstream of Elm St. Bridge	03/05/03	96	64.9	21.4	34.0	---	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	03/05/03	96	---	---	---	1.5**	1.5**	83.6	---	H2-SW000052-0-3M05	<b>0.064</b>	ND(0.013)
Downstream of Pomeroy Ave. Bridge (duplicate)	03/05/03	96	---	---	---	1.5**	1.5**	83.6	---	H2-SW000052-1-3M05	<b>0.057</b>	---
Upstream of Newell St. Bridge	03/19/03	257	---	---	---	1.50**	3.00**	193.5	210.4	H0-SW000054-0-3M19	NR	NR
Downstream of Lyman St. Bridge	03/19/03	257	7.8	3.6	5.9	1.52*	---	---	---	H2-SW000055-0-3M19	NR	NR
Upstream of Elm St. Bridge	03/19/03	257	28.0	18.8	21.4	---	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	03/19/03	257	---	---	---	1.25**	3.25**	321.8	334.8	H2-SW000052-0-3M19	NR	NR
Upstream of Newell St. Bridge	03/27/03	632	---	---	---	2.50**	5.00**	653.5	583.8	H0-SW000054-0-3M27	NR	NR
Downstream of Lyman St. Bridge	03/27/03	632	11.3	6.3	7.9	2.68*	---	---	---	H2-SW000055-0-3M27	NR	NR
Upstream of Elm St. Bridge	03/27/03	632	5.9	2.3	4.1	---	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	03/27/03	632	---	---	---	3.50**	6.00**	1208.0	1134.0	H2-SW000052-0-3M27	NR	NR

Notes:

**PCB Action Level - Downstream (Pomeroy Avenue)  $\geq$  Upstream (Lyman Street) + 5 ug/L**

ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.

cfs - Cubic feet per second

ntu - nephelometric turbidity units

--- - No data obtained

\* - Temperature measured YSI 600 oms system.

\*\* - Temperature measured using hand held stainless steel thermometer.

ice - Flow was not calculated due to ice present at the staff gage location.

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Due to extreme cold, water column samples are collected manually as 4 part grab samples.

Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.

NR - Not yet reported

03/27/03 water column sampling was conducted during the high river flow

TSS (mg/l)
---
5.5
---
13.6
---
NR
NR
---
NR
NR
NR
---
NR

**Table 10 - PCB Air Sampling Results  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in  $\mu\text{g}/\text{m}^3$ )

Sample ID	Location*	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260
H2-AR000007-0-3M28	background	03/28/2003	NR	NR	NR	NR
H2-AR000015-0-3M28	AR000015	03/28/2003	NR	NR	NR	NR
H2-AR000018-0-3M28	AR000018	03/28/2003	NR	NR	NR	NR
H2-AR000018-1-3M28 (duplicate)	AR000018	03/28/2003	NR	NR	NR	NR
H2-AR000019-0-3M28	AR000019	03/28/2003	NR	NR	NR	NR
H2-AR000020-0-3M28	AR000020	03/28/2003	NR	NR	NR	NR

Notes:

**Notification Level:  $0.05\mu\text{g}/\text{m}^3$**

**Action Level:  $0.1\mu\text{g}/\text{m}^3$**

NR - Not yet reported

\* - See Figure 1 for locations

Total PCBs
NR
NR
NR
NR
NR
NR



**Table 11 - Equipment Confirmatory Wipe Samples  
March 2003 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in  $\mu\text{g}/100 \text{ cm}^2$  )

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000036-0-3M13	03/13/2003	ND(0.5)	1.3	2.8	4.1
H2-XI000037-0-3M13	03/13/2003	ND(0.5)	ND(0.5)	1.2	1.2
H2-XI000038-0-3M21	03/21/2003	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000039-0-3M21	03/21/2003	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Notes:

**PCB Action Level -  $10.0 \mu\text{g}/100 \text{ cm}^2$**

ND(0.5) - Analyte was not detected. The value in parentheses is the associated detection limit.